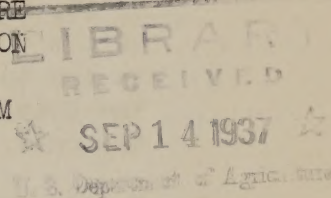


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UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL ADJUSTMENT ADMINISTRATION

1937 AGRICULTURAL CONSERVATION PROGRAM  
NORTH CENTRAL REGION



Instructions To The State Committees Of Nebraska  
And South Dakota For Analyzing The Range Listing Sheets  
And Adjusting Grazing Capacity To Normal

The member of the State committee in charge of the range program, the range fieldmen, and the State statistician should become thoroughly familiar with the methods used by the county range inspectors in making grazing capacity appraisals as outlined by the United States Forest Service and the 1937 Program for range land as outlined in NCR-B-101, as amended. They should also familiarize themselves with the procedure to be followed by the county committees in adjusting and recommending grazing capacity for individual ranching units.

Before listing sheets are sent to the State office for analysis and adjustment of the grazing capacities for individual ranching units to normal, the range fieldmen of the State committee should carefully examine the listing sheets in the county office to determine, in cooperation with the county committee, whether equity has been maintained between the individual ranches in the recommended preliminary grazing capacity.

When the range listing sheets and the county summary are received in the State office, the member of the State committee in charge of the range program should examine the range listing sheets to determine that the data have been listed as outlined in NCR-152 and to satisfy himself that the county committee's adjustments in the grazing capacity for individual ranching units are reasonable in the light of appraisals made by the county range inspectors and that the recommendations provide equity between ranches. The listing sheets will then be released to the State statistician for a detailed examination, a check of computations made in the county office and adjustments of the grazing capacity for each ranching unit on the basis of the normal grazing capacity for the county.

The statistician should become thoroughly familiar with the instructions for listing data, and making the necessary computations in connection with the adjustment of grazing capacity outlined in NCR-152. The procedure to be followed by the statistician in checking additions, computations, and adjustment of the grazing capacity for individual ranching units to a basis of the normal grazing capacity of the range land in such ranches in the county is as follows:



1. Verify the range district totals in columns 5, 6, 7, 9, 10, 14, and 16, and initial such totals. The sum of the totals in columns 6, 7, and 9 should be equal to the total in column 5. If such is the case, initial the total of column 5 a second time. If such is not the case, obtain necessary corrections.
2. Verify the transfer of the range inspector district totals from columns 5, 6, 7, 9, 10, 14, and 16 of the range listing sheet to columns 5, 6, 7, 9, 10, 14, and 16 of the county summary and initial at the head of the respective columns on the county summary.
3. Verify the county totals of the entries in columns 1, 5, 6, 7, 9, 10, 14, and 16 of the county summary and initial such totals.
4. Verify each entry in column 11 of the range listing sheet and initial at the head of the column. In case any of the entries in column 11 are not correct, make the necessary corrections.
5. Verify each entry in column 14 of the range listing sheet and initial at the head of the column. In case any of the entries in column 14 are not correct, make the necessary corrections.
6. Examine the computations made in the county office in the determination of the range inspector district grazing capacity limits and verify such grazing capacity limits for each of the range inspector districts. If the range inspector district grazing capacity limits are correct, initial the copy of the computation sheet received from the county office. Verify the transfer of such grazing capacity limits to the space provided for such entries at the top of the range listing sheet for each of the respective range inspector districts, initial such entries at the top of the range listing sheet, and file the copy of the computation sheet in the statisticians' office for future reference.
7. Verify the adjustment factor entered at the head of column 15 and initial such adjustment factor. If the adjustment factor is not correct, make the necessary corrections.
8. Verify each entry in column 15 of the range listing sheet and initial below the total line in column 15. In case any of the entries in column 15 are not correct, make the necessary corrections.



9. Verify each entry in column 16 of the range listing sheet and initial at the head of the column. If any entries in column 16 are not correct, make the necessary corrections.
10. Verify each entry in column 15 of the county summary and initial at the head of the column.
11. Verify the county total of the entries in column 16 of the county summary and initial such total.
12. Verify the transfer of each range inspector district entry from column 15 of the county summary to the total line in column 15 of the range listing sheet for each of the respective range inspector districts.
13. Verify the transfer of the entry on the total line in column 15 of the county summary to the space provided for such entry at the top of the range listing sheet and initial such entry at the top of the range listing sheet. This entry represents the county weighted average of the grazing capacity entries in column 15 of the range listing sheets and should not differ from the county average grazing capacity limit established for the county under the 1937 conditions by the Forest Service by more than 0.5. If such is the case, proceed with the determination of the normal grazing capacity.

#### Determination of Normal Grazing Capacity

After it has been determined that the computations and transfers made in the county office on the range listing sheets and on the county summary are correct and the requirement of the preceding step 13 has been met, proceed as follows:

1. Enter in the space provided at the top of the range listing sheet, the normal county average grazing capacity limit established by the Agricultural Adjustment Administration. This entry will be obtained from the State Range analysis sheet used in the determination of such normal grazing capacity limits.
2. Divide the county normal grazing capacity limit entered at the top of the range listing sheet by the county weighted average of the entries in column 15 entered at the top of the range listing sheet to obtain an adjustment factor to be applied to the individual entries in column 15 of the range listing sheet. After verification, enter such adjustment factor at the head of column 17.
3. Multiply each entry in column 15 of the range listing sheet by the adjustment factor at the head of column



17 and enter the result rounded to one decimal in column 17. Verify each entry in column 17 and initial below the total line in column 17. The entries in column 17 represent the number of acres required for one animal unit for a period of twelve months on the basis of the normal grazing capacity for the county.

4. Divide each entry in column 6 of the range listing sheet by the corresponding entry in column 17 and enter the result rounded to a whole number in column 18. Verify each entry in column 18 and initial at the head of the column. The entries in column 18 represent in terms of the total number of animal units the grazing capacity for each ranch on the basis of the normal grazing capacity for the county.
5. Obtain range district totals of the entries in column 18. Verify, initial, and transfer such totals for the respective districts to column 18 of the county summary.
6. Multiply each entry in column 18 of the range listing sheet by \$1.50 and enter the result in column 19. Verify each entry in column 19 and initial at the head of the column. The entries in column 19 represent the range allowance for the individual ranches.
7. Obtain range district totals of the entries in column 19. Verify, initial, and transfer such totals for the respective districts to column 19 of the county summary.
8. Obtain the county total of the entries in column 19 of the county summary. Verify and initial such total.

After the grazing capacities for the individual ranches have been adjusted to normal and the entries have been made in column 19 of the range listing sheet, the State committee shall return the range listing sheets to the county with instructions to the county committee to transfer the data, according to the procedure outlined in NCR-152, Section I, item 2(a), from columns 17, 18, and 19 to the respective columns on the county copy of the range listing sheets.

The State committee shall advise the county committee in such instructions to assign serial numbers as soon as the entries in columns 17, 18, and 19 have been transferred to the county office copy of the range listing sheets and verified, and to return the State office copy of the range listing sheets to the State office as soon as serial numbers have been entered in both copies of the range listing sheets.